

Amendments to the Claims

1. (Previously Presented) An air conditioner that comprises, in an air passageway through which an airflow from an air intake port towards a clean air discharge port is formed, at the least, an air blower for generating airflow, an evaporator and, arranged in the upstream airflow side and/or downstream airflow side of said evaporator, a synthetic polymer case in which an antibacterial agent impregnated in a medium such as a porous body or water-absorbing polymer is sealed, which air conditioner is characterized in that a thickness of a wall on the downstream airflow side of the synthetic polymer case is formed thinner than a thickness of a wall of the upstream airflow side, and in that the wall on the downstream airflow side is formed to allow gas permeation of the antibacterial agent.

2. (Previously Presented) An air conditioner according to claim 1, characterized in that the evaporator is a single tank-type in which the tank part is provided in one end, or is a double tank-type in which tank parts are provided in both ends, wherein the synthetic polymer case is juxtaposedly arranged with the tank part.

3. (Previously Presented) An air conditioner according to claim 2, characterized in that the synthetic polymer case does not project from the tank part with respect to the direction of airflow.

4. (Previously Presented) An air conditioner according to claims 1, 2 and 3, characterized in that the synthetic polymer case is detachably fixed to a filter frame arranged in the upstream airflow side of the evaporator.

5. (Previously Presented) An air conditioner that comprises, in an air passageway through which an airflow from an air intake port towards a clean air discharge port is formed, at the least, an air blower for generating airflow, an evaporator of a single tank-type in which a tank is provided in one end or a double tank-type in which tank parts are provided in both ends and, arranged in the upstream airflow side and/or downstream airflow side of said evaporator, a synthetic polymer case in which an antibacterial agent impregnated in a medium such as a porous body or water-absorbing polymer is sealed, which air conditioner is characterized in that a thickness of a wall on the downstream airflow side of the synthetic polymer case is formed thinner than a thickness of a wall of the upstream airflow side, and in that the wall on the downstream airflow side is formed to allow gas permeation of the antibacterial agent.

6. (Previously Presented) An air conditioner according to claim 5, characterized in that the synthetic polymer case does not project from the tank part with respect to the direction of airflow.

7. (Previously Presented) An air conditioner according to claim 5, characterized in that the synthetic polymer case is formed from polypropylene, and in that the antibacterial agent is allyl isothiocyanate.

8. (Previously Presented) An air conditioner according to claim 5, characterized in that the synthetic polymer case is formed by the assembly of a plurality of small cases detachably fixed to each other.

9. (Currently Amended) A synthetic polymer case in which an antibacterial agent impregnated in a medium such as a porous body or water-absorbing polymer is sealed and in which a thickness of a wall is formed to allow gas permeation of the antibacterial agent, said synthetic polymer case is characterized in that the thickness of the wall of said synthetic polymer case is formed thinner than another wall opposing said wall allowing gas permeation of the antibacterial agent by adsorption of the antibacterial agent on the wall.

10. (Previously Presented) A synthetic polymer case according to claim 9, characterized in that the abovementioned case is formed from polypropylene, and in that the abovementioned antibacterial agent is allyl isothiocyanate.

11. (Previously Presented) A synthetic polymer case according to claims 9 and 10, characterized in that the abovementioned case is formed by the assembly of a plurality of small cases detachably fixed to each other.

12. (Previously Presented) An air conditioner according to claim 1, characterized in that the synthetic polymer case is formed from polypropylene, and in that the antibacterial agent is allyl isothiocyanate.

13. (Previously Presented) An air conditioner according to claim 1 characterized in that the synthetic polymer case is formed by the assembly of a plurality of small cases detachably fixed to each other.